10/53 8120 REC'D 17 MAR 2005 WPO 07 JUN 2005 WIPO PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

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Applicant's or agent's file reference XA1777				FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
International application No. PCT/GB 03/05547				International filing date (18.12.2003	day/mont	h/year)	Priority date (day/month/ye	ear)	
International Patent Classification (IPC) or both national classification and IPC									
G02	B7/0	0							
Applicant									
BAE SYSTEMS PLC									
This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.									
2.	2. This REPORT consists of a total of 4 sheets, including this cover sheet.								
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).								
	Th -				ve instru	ictions under ti	ne PCI).		
	Ines	se anı	nexes consist of a total o	f sheets.					
3.	This	repor	t contains indications rel	ating to the following ite	ms:				
	1	×	Basis of the opinion	-					
	II		Priority						
	Ш	\boxtimes		pinion with regard to no	veltv. in	ventive sten a	nd industrial annlicability		
	IV		Lack of unity of invention		rd to novelty, inventive step and industrial applicability				
V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or inducitations and explanations supporting such statement				entive step or industrial	applicability;				
	VI Certain documents cited			d					
	VII		Certain defects in the in	nternational application					
	VIII		Certain observations or	n the international applic	cation				
Date	Date of submission of the demand				Date of o	completion of thi	s report		
19.07.2004					09.03.2005				
Name	Name and mailing address of the international preliminary examining authority:					ed Officer			
	ary		ning autnomy: opean Patent Office - P.B. {	5818 Patentlaan 2				John S. F.	
NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo pl				Querte	mont, E				
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International application No.

PCT/GB 03/05547

 Basis of the repe 	οπ
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages						
	1-12	2	as originally filed					
	Cla	ims, Numbers						
	1-1	3	as originally filed					
	Dra	wings, Sheets						
	1-7		as originally filed					
2.	Witl lanç	h regard to the langu guage in which the int	age, all the elements marked above were available or furnished to this Authority in the ternational application was filed, unless otherwise indicated under this item.					
	The	se elements were av	ailable or furnished to this Authority in the following language: , which is:					
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of publ	lication of the international application (under Rule 48.3(b)).					
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under 3).					
3.	Witl inte	n regard to any nucle rnational preliminary	ectide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:					
		contained in the inte	rnational application in written form.					
		filed together with th	e international application in computer readable form.					
		furnished subsequer	ntly to this Authority in written form.					
		☐ furnished subsequently to this Authority in computer readable form.						
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.					
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
4.	The	amendments have r	esulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					

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5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).				he amendments had not been made, since they have iled (Rule 70.2(c)).				
		(Any replacement sheet contain report.)	ining s	uch amendn	nents must be referred to under item 1 and annexed to this				
6.	Add	additional observations, if necessary:							
HI.	III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability								
1.	The obvi	e questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- vious), or to be industrially applicable have not been examined in respect of:							
		the entire international application,							
		claims Nos. 12,13							
	because:								
	the said international application, or the said claims Nos. relate to the following subject matter which d not require an international preliminary examination (specify):								
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclea that no meaningful opinion could be formed (specify):								
the claims, or said claims Nos. are so inadequately supported by the description that no me could be formed.					ly supported by the description that no meaningful opinion				
☐ no international search report has been established for the said claims Nos. 12,13				ed for the said claims Nos. 12,13					
2.	or a	meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative structions:							
☐ the written form has not been furnished or does not comply with the Standard.									
☐ the computer readable form has not been furnished or does not comply with the Standard.									
٧.	Rea cita	asoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; ations and explanations supporting such statement							
1.	Stat	tement							
	Nov	elty (N)	Yes: No:	Claims Claims	2,5,7-11 1,3,4,6				
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-11				
	Indu	strial applicability (IA)	Yes: No:	Claims Claims	1-11				

Form PCT/IPEA/409 (January 2004)

2. Citations and explanations

see separate sheet



Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Reference is made to the following document:

D1: US-B-6307688

- The present application does not meet the criteria of Article 33(1) PCT, because the 2.1 subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.
- 2.2 The document D1 discloses (figures 1 and 2; the references in parentheses applying to this document) a deformable-mirror holder comprising a body (2) with a central aperture for receiving a deformable mirror (1, see also claim 1), the central aperture being defined by a plurality of flexible beams (3), with each flexible beam having an end shaped to provide a supporting surface (6) and a flexible portion that connects the beam's end to the holder's body.
- 2.3 Hence the subject-matter of claim 1 is not new (Article 33(2) PCT).
- The additional features of claims 3, 4, 6 are also disclosed in D1 (figures 1 and 2). 3. Hence the subject-matter of claims 3, 4, 6 lack novelty (Article 33(2) PCT).
- The additional features of claims 2, 5, 7, 8, 9, 10, 11 relates to slight constructional 4. changes in the deformable-mirror holder of D1, that would be considered by persons skilled in the art, according to circumstances, without involving an inventive step. Hence the subject-matter of claims 2, 5, 7, 8, 9, 10, 11 lacks an inventive step (Article 33(3) PCT).